

Calibrating the Disinfectant Flowmeter



CONTINUING CARE GROUP

Maintenance Instructions

For Invacare Continuing Care Group Tubs

SAVE THESE INSTRUCTIONS

WARNING

DO NOT use this product or any available optional equipment without first completely reading and understanding these instructions and any additional instructional material such as owner's manuals, service manuals or instruction sheets supplied with this product or optional equipment. If you are unable to understand the warnings, cautions or instructions, contact a healthcare professional, dealer or technical personnel before attempting to use this equipment - otherwise, injury or damage may occur.

The disinfectant dispensing system has been factory tested and calibrated for use with Invacare disinfectant. The use of any disinfectant with a dilution ratio ($\frac{1}{2}$ oz per gallon) or viscosity level different than that of Invacare disinfectant will result in an improper mixture of disinfectant and water. This may cause your system to be improperly disinfected - or in some instances, not disinfected at all. If using any disinfectant with a dilution ratio or viscosity level different than that of Invacare disinfectant or if switching from one type of disinfectant to another type, the disinfectant flowmeter **MUST** be calibrated using this procedure before disinfecting the tub.

This procedure should only be attempted by qualified maintenance personnel. Failure to heed these precautions could result in injury to the tub operator or resident.

ALWAYS wear rubber gloves, an apron and face shield protection during disinfecting, cleaning and rinsing procedures. In case of eye or skin contact, follow procedures on disinfectant container.

CAUTION

NEVER use abrasive cleaners like scouring powder or liquid cleaners containing pumice stone. The use of these types of cleaners will make the gel-coat finish of your tub scratched and dull. **NEVER** use cleaners containing iodine, bromine, Betadine[®] or methylene blue. The use of these types of cleaners will cause the tub to stain. Never use cleaners containing bleach. Use of these types of cleaners will dry out the rubber seals and gaskets and the tub will not function properly.

NOTE: For this procedure, refer to FIGURE 1 on page 2.

NOTE: Equipment needed:

- Bucket or Pail, at least one gallon
- Graduated plastic bottle, at least 16 ounces
- Felt Tip Pen

1. Open the whirlpool aerator by rotating two turns counterclockwise.
2. If the tub is equipped with a disinfectant wand, hold the wand over the interior of the tub.
3. Pour exactly one gallon of water into the bucket/pail.
4. Mark the bucket/pail at the gallon level using the felt tip pen.
5. Empty the bucket/pail.
6. Pour a whole number of ounces of disinfectant into the graduated plastic bottle.

NOTE: For example, pour 2 or 3 ounces, but not 2½ ounces, otherwise the results will be skewed.

NOTE: DO NOT use water instead of disinfectant. This would cause a false reading.

7. Note the number of ounces in the graduated plastic bottle.
8. Open the service access cabinet door.
9. Insert the disinfectant draw tube into the graduated plastic bottle.
10. Turn the black knob on the flow meter valve five turns counterclockwise to open the metering valve.
11. Close all jets by pushing the center of each jet in or turning the center of the jet clockwise.
12. Close the whirlpool inlet by pulling the inlet plug out.
13. Turn the disinfectant valve to the On position.

NOTE: Liquid will be heard filling the interior plumbing of the tub.

14. Note the position of the floating ball in the flow meter.

15. Adjust the injector by performing one of the following:
 - Bottom of Floating Ball Reads Greater Than 35 - Less disinfectant needs to be added to the mixture. Loosen the screw on the injector to draw less disinfectant into the solution.
 - Bottom of Floating Ball Reads Less Than 35 - More disinfectant needs to be added to the mixture. Tighten the screw on the injector to draw more disinfectant into the solution.
16. When the bottom of the floating ball is near 35, turn the black adjustment knob on the flow meter until the bottom of the floating ball is at 35.
17. Place the bucket/pail under the burp fitting to collect the disinfectant. Use a funnel if necessary.
18. Note the number of ounces in the graduated plastic bottle.
19. Let the bucket/pail fill to one gallon.
20. Turn the disinfectant valve to the off position.
21. Remove the disinfectant draw tube from the plastic bottle.
22. Examine the amount of disinfectant remaining in the plastic bottle.
23. Subtract the amount of disinfectant remaining from the amount noted in STEP 18.
24. Perform one of the following:
 - Approximately ½-ounce of disinfectant has been used - Proceed to STEP 23.
 - Much more or much less than ½-ounce of disinfectant has been used - Repeat STEPS 1-18.
25. Position the disinfectant draw tube into the disinfectant solution.
26. Disinfect the tub. Refer to the tub owner's manual or to the Closed Loop Disinfecting Procedure instruction sheet, part number 1154273.

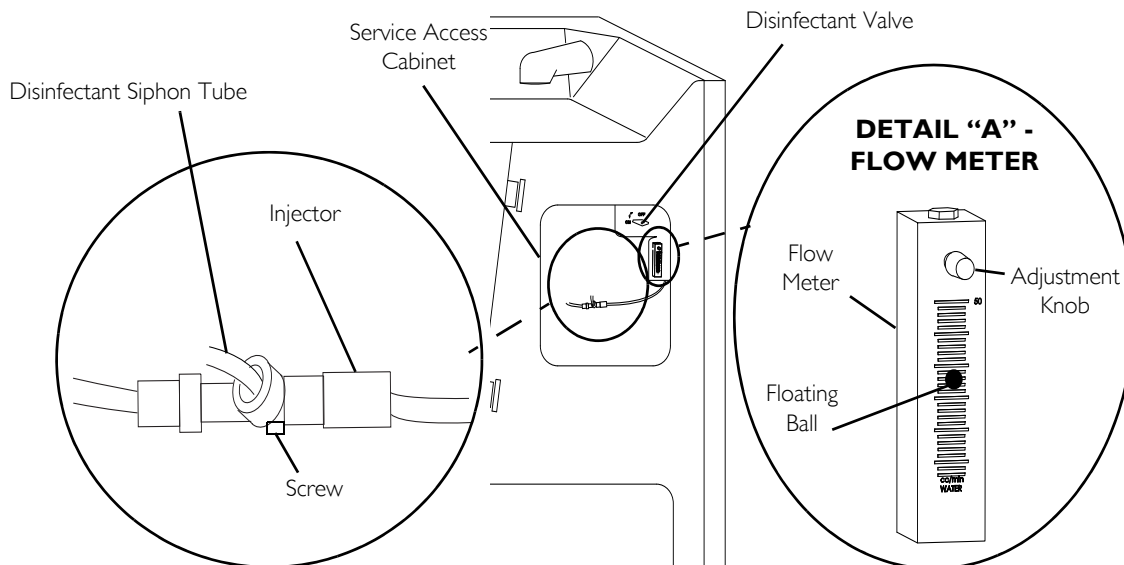


FIGURE I Calibrating the Disinfectant Flowmeter



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